APRIL/MAY 2024

DOAM43B/GOAM43B — BIOSAFETY

Time : Three hours Maximum : 75 marks

Shanmuga Industries Arts & Science College T.V.Malai

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Write any two antiseptic techniques.
2. Define infectious agent.
3. What are biohazards?
4. Define bioterrorism.
5. Define Biocontainment.
6. What is biosafety Level 3?
7. What is Risk assessment in biosafety?
8. Define Disinfection.
9. What does GEAC stand for?
10. Define Cartegana Protocol.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Summarize the specific microorganisms in biosafety level.

Or

(b) Give a short account on history and scope of Biosafety.

12. (a) Describe about the bioterrorism and its type.

Or

(b) Write about the importance of LMO in agriculture.

13. (a) What are the biosafety levels for animal research?

Or

(b) Describe the concept and strategies of biocontainment.

14. (a) Interpret the risk communication in biosafety management.

Or

(b) What are the stages of decontamination process?

15. (a) Write about the role of Institutional Biosafety committee (IBSC).

Or

(b) Summarize the transportation of infectious substances.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss in detail about the standard microbiological practices in biosafety.

17. Give an account on types and management methods of hazardous wastes in biological laboratories.

18. Write an essay on Biological safety cabinets and its function.

19. Explain in detail about the warning signs and labels in biosafety.

20. Discuss about the role of review committee on genetic manipulation (RCGM).

———————